

CTION Medicinal plants are essential to human health and have been used for ages because of their therapeutic properties, economic value, and medicinal benefits.

2. 1 .Turmeric (*Curcuma longa*): The active ingredient in turmeric that has been studied for its potential anti-cancer effects is a compound called curcumin. some examples of medicinal plants and information on the potential mechanisms of action for the medicinal plants mentioned:

1. 1Green tea (*Camellia sinensis*): Green tea includes a number of bioactive chemicals, but epigallocatechin gallate (EGCG), a kind of polyphenol, is the one that is frequently linked to the plant's possible health advantages. Curcumin is a naturally occurring polyphenol and the primary bioactive compound found in turmeric, which is derived from the rhizome of the *Curcuma longa* plant. It has been proposed that EGCG may work through a number of methods to prevent the growth of lung cancer cells, such as:

1 .Antioxidant activity: EGCG has the ability to reduce oxidative stress and scavenge free radicals, both of which are linked to the onset and spread of cancer [1].

2 .Anti-inflammatory effects: Research has demonstrated the anti-inflammatory qualities of EGCG, and chronic inflammation has been linked to the development of cancer.